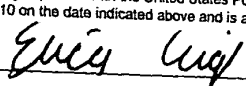


FORM PTO-1390 DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV 1-98)		ATTORNEY'S DOCKET NO. 4100.001400
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) UNKNOWN
INTERNATIONAL APPLICATION NO. PCT/US00/06876	INTERNATIONAL FILING DATE March 15, 2000	PRIORITY DATE CLAIMED March 17, 1999
TITLE OF INVENTION PROTAMINE FRAGMENT COMPOSITIONS AND METHODS OF USE		
APPLICANT(S) FOR DO/EO/US Victor C. Yang and Youngro Byun		
Applicants herewith submit to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> has been transmitted by the International Bureau. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). <ol style="list-style-type: none"> <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> have been transmitted by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 16 below concern document(s) or information included:		
<ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included and the fee is incorporated within the attached check. <input checked="" type="checkbox"/> A FIRST preliminary amendment (with Exhibit A and B); please calculate the filing fee based upon the claims in this amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. <input type="checkbox"/> A substitute specification. <input checked="" type="checkbox"/> Power of attorney and/or address letter. <input checked="" type="checkbox"/> Other items or information: 1. Notification of Transmittal of International Search Report; 2. Small Entity Declaration; 3. Submission of Formal Drawings (Figs. 1-8 on 4 sheets), and 4. Postcard 		

00746 U.S. PTO
10/668663
09/23/03

CERTIFICATE OF EXPRESS MAILING	
NUMBER	EL 332 810 317 US
DATE OF DEPOSIT:	November 16, 2000
I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, DC 20231.	
 Erica Elge	

U.S. APPLICATION NO. (If k UNKNOWN	see 37 CFR 1.5)	INTERNATIONAL APPLICATION PCT/US00/06876	ATTORNEY'S DOCKET NUMBER 4100.001400
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17. ☒ The following fees are submitted:

Basic National Fee (37 CFR 1.492(a)(1)-(5)):
 Neither international preliminary examination fee (37 CFR 1.482)
 nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
 and International Search Report not prepared by the EPO or JPO \$1000.00

International preliminary examination fee (37 CFR 1.482) not paid to
 USPTO but International Search Report prepared by the EPO or JPO \$860.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO
 but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$760.00

international preliminary examination fee (37 CFR 1.482) paid to USPTO
 but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... \$690.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO
 and all claims satisfied provisions of PCT Article 33(1)-(4) \$ 100.00

ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 860.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☒ 20 ☐ 30
 months from the earliest claimed priority date (37 CFR 1.492(e)).

Claims	Number Filed	Number Extra	Rate
Total Claims	51 - 20 =	31	x \$ 18.00
Independent Claims	10 - 3 =	7	x \$ 80.00
Multiple dependent claim(s) (if applicable)			+ \$260.00

TOTAL OF ABOVE CALCULATIONS = \$ 1,978.00

Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must
 also be filed. (NOTE: 37 CFR 1.9, 1.27, 1.28)

SUBTOTAL = \$ 989.00

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30
 months from the earliest claimed priority date (37 CFR 1.492(f)).

TOTAL NATIONAL FEE = \$

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be
 accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property) +

TOTAL FEES ENCLOSED = \$ 1,029.00

Amount to be refunded:	\$.00
Charged	\$.00

CALCULATIONS
PTO USE ONLY

a. ☒ A check in the amount of \$1,029.00 to cover the above fees is enclosed.

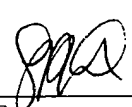
b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4100.001400. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Shelley P.M. Fussey
 Williams, Morgan & Amerson
 7676 Hillmont, Suite 250
 Houston, TX 77040
 (713) 934-7000
 Date: November 16, 2000



SIGNATURE

Shelley P.M. Fussey

NAME:

39.458

REGISTRATION NUMBER:

18351 U.S. PTO
09/23/03

EXPRESS MAIL MAILING LABEL

NUMBER EV 336 538 611 US

DATE OF DEPOSIT: September 23, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service with sufficient postage "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Mary Paul
Mary Paul

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Dkt. No.: **4100.001482**

Prior Application Serial No.: **09/700,967**

Prior Application Examiner: **Robinson, H.**

Prior Group Art Unit: **1653**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**REQUEST FOR FILING DIVISIONAL
APPLICATION UNDER 37 C.F.R. § 1.53(b)**

This is a request for filing a divisional application under Rule 53(b) (37 C.F.R. § 1.53(b)) of co-pending prior application Serial No. 09/700,967, filed November 16, 2000, entitled "Protamine Fragment Compositions and Methods of Use."

- ☒ 1. Enclosed is a true copy of the prior application Serial No. 09/700,967 as originally filed, including PCT specification, claims, drawings, preliminary amendment, § 371 transmittal letter and declaration. The undersigned hereby verifies that the attached papers are a true copy of the prior application as originally filed and identified above, that no amendments (if any) referred to in the declaration filed to complete the prior application introduced new matter

therein, and further that this statement was made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

(a) ☒ The inventorship is the same as prior Application Serial No. 09/700,967.

(b) ☐ Deletion of inventor(s). Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. § 1.63(d)(2) and 1.33(b).

☐ 2. Enclosed is a check in the amount of \$____.00 to cover the filing fee as calculated below and the fee for any new claims added in the Preliminary Amendment referred to in Clause No. 9 below.

☒ 3. This application is filed without the filing fees. Pursuant to 37 C.F.R. § 1.53(b) and (f), the Applicants request that the Patent and Trademark Office accept this application and accord a serial number and filing date as of the date this application is deposited with the U.S. Postal Service for Express Mail. Further, the Applicants request that the NOTICE OF MISSING PARTS-FILING DATE GRANTED pursuant to 37 C.F.R. § 1.53(f) be sent to the undersigned Applicants' representative.

☒ 4. Applicant is entitled to Small Entity Status for this application.

☐ (a) A small entity statement is enclosed.

☒ (b) A small entity statement was filed in the prior nonprovisional application and such status is still proper and desired.

- ☐ (c) Small entity status is no longer claimed.
- ☐ 5. If the check is missing or insufficient, the Assistant Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16 to 1.21 which may be required for any reason relating to this document, or credit any overpayment to Williams, Morgan & Amerson, P.C. Deposit Account No. 50-0786/_____.
- ☐ 6. Enclosed is a copy of the current Power of Attorney in the prior application.
- ☒ 7. Address all future communications to:
- Shelley P.M. Fussey, Ph.D.
WILLIAMS, MORGAN & AMERSON, P.C.
10333 Richmond, Suite 1100
Houston, Texas 77042
(713) 934-7000
- ☒ 8. The inventors have assigned their rights to The Regents of The University of Michigan.
- ☐ 9. Enclosed is a preliminary amendment. Any additional fees incurred by this amendment are included in the check at No. 2 above and said fee has been calculated after cancellation of claims and after amendment of claims by the preliminary amendment.
- ☒ 10. Cancel in this application claims 1-8, 14-24, 35-46 and 52-54 of the prior application before calculating the filing fee. At least one original independent claim is retained. The prior application was filed with a Preliminary Amendment (copy enclosed), which forms part of the prior application from which the present divisional is derived. The Preliminary Amendment in the prior application revised the claims from the PCT application so that claims 1-8, 14-24, 35-46, 48-50 and 52-68 were pending when the prior application was filed (**Exhibit A**, enclosed). Claims 1-8, 14-24, 35-46, 48-50 and 52-68 were subject to restriction


and the Group I invention was elected in the prior application. Presently, the Group I claims are being canceled and the pending claims in the divisional application are claims 48-50 and 55-68 (**Exhibit B**, enclosed). Applicants will perfect the claims and pay the fees within the period set by the Office or within four months of filing the present application, whichever is earlier.

- ☒ 11. Amend the specification at page 1, line 3, after "The present application", by inserting the text -- is a divisional of co-pending application Serial No. 09/700,967, filed November 16, 2000, which issued as U.S. Patent No. 6,624,141 on September 23, 2003, which is a nationalization of International Patent Application PCT/US00/06876, filed April 19, 1999, which --. Applicants will perfect the claim for priority and the amendment to the specification in compliance with 37 C.F.R. § 1.121(c) within four months of filing the present application.
- ☐ 12. Enclosed are formal drawings of FIG. 1-8 on a total of 4 sheets.
- ☐ 13. The present paper constitutes Applicants' compliance with their duty of disclosure under 37 C.F.R. §1.56. Please make all prior art of record in parent application Serial No. 09/700,967 of record in this case. As a courtesy, the following is enclosed:
- ☐ (a) PTO-1449 (A1-A2, B1 and C1-C10).
- ☐ (b) Copies of IDS citations.
- ☐ 14. Other:

☒ 15. Return Receipt Postcard.

Respectfully submitted,

Williams, Morgan & Amerson, P.C.
Customer No. 23720


Shelley P.M. Fussey, Ph.D.
Reg. No. 39,458
Agent for Applicants

10333 Richmond, Suite 1100
Houston, Texas, 77042
(713) 934-4079

Date: September 23, 2003